

Title (en)
DIRECT CURRENT INTERRUPTION DEVICE

Title (de)
GLEICHSTROMUNTERBRECHUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE COUPURE DE COURANT CONTINU

Publication
EP 3672005 A4 20210331 (EN)

Application
EP 17921970 A 20170815

Priority
JP 2017029380 W 20170815

Abstract (en)
[origin: EP3672005A1] A DC current breaking device of an embodiment is provided in a DC power transmission circuit in which at least a first DC power transmission line and a second DC power transmission line are electrically connected to each other at a first connection point. A first auxiliary line is electrically connected to a first position of the first DC power transmission line. The second auxiliary line is electrically connected to a second position of the second DC power transmission line. A first unit is provided in a common auxiliary line that is electrically connected between a second connection point to which the first auxiliary line and the second auxiliary line are electrically connected, and the first connection point. A second unit is provided in each of a first line that is the first DC power transmission line or the first auxiliary line, and a second line that is the second DC power transmission line or the second auxiliary line. One of the first unit and the second unit is a semiconductor circuit breaker, and the other of the first unit and the second unit is a commutation device that commutates a current to the semiconductor circuit breaker.

IPC 8 full level
H02H 3/087 (2006.01); **H01H 33/59** (2006.01); **H02H 3/00** (2006.01); **H02J 1/08** (2006.01); **H02J 13/00** (2006.01)

CPC (source: EP)
H02H 3/00 (2013.01); **H02H 3/087** (2013.01); **H02J 1/084** (2020.01); **H02J 13/00** (2013.01); **H01H 33/596** (2013.01); **Y02E 60/60** (2013.01)

Citation (search report)

- [XA] WO 2016096016 A1 20160623 - SIEMENS AG [DE]
- See references of WO 2019035180A1

Cited by
US2022149617A1; US11876367B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3672005 A1 20200624; **EP 3672005 A4 20210331**; **EP 3672005 B1 20230621**; CN 111033923 A 20200417; CN 111033923 B 20221025; JP 6845333 B2 20210317; JP WO2019035180 A1 20200326; WO 2019035180 A1 20190221

DOCDB simple family (application)
EP 17921970 A 20170815; CN 201780093701 A 20170815; JP 2017029380 W 20170815; JP 2019536379 A 20170815